

BS8: HVAC Implementers' IFC Workshop

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Marinsoft, Inc.

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topics

- how the IAI works
- introduction to the IFC model
- IFC2x2 model review
- property sets

how the IAI works

- international entities
 - IC, ITM, MSG, ISG, TAG
 - <http://www.iai-international.org>
- regional chapters
 - Australasian, French, German Speaking, Iberian, Japanese, Korean, Nordic, North American, Singaporean, United Kingdom

Model Support Group

- members
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Implementation Support Group

- chairperson
 - Rasso Steinmann (GS):
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- website
 - http://www.iai.fhm.edu/iai_isq

Technical Advisory Group

- chairperson
 - Vladimir Bazjanac (NA):
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 - <http://eetd.lbl.gov/btp/iai/TAG/>

North American Chapter

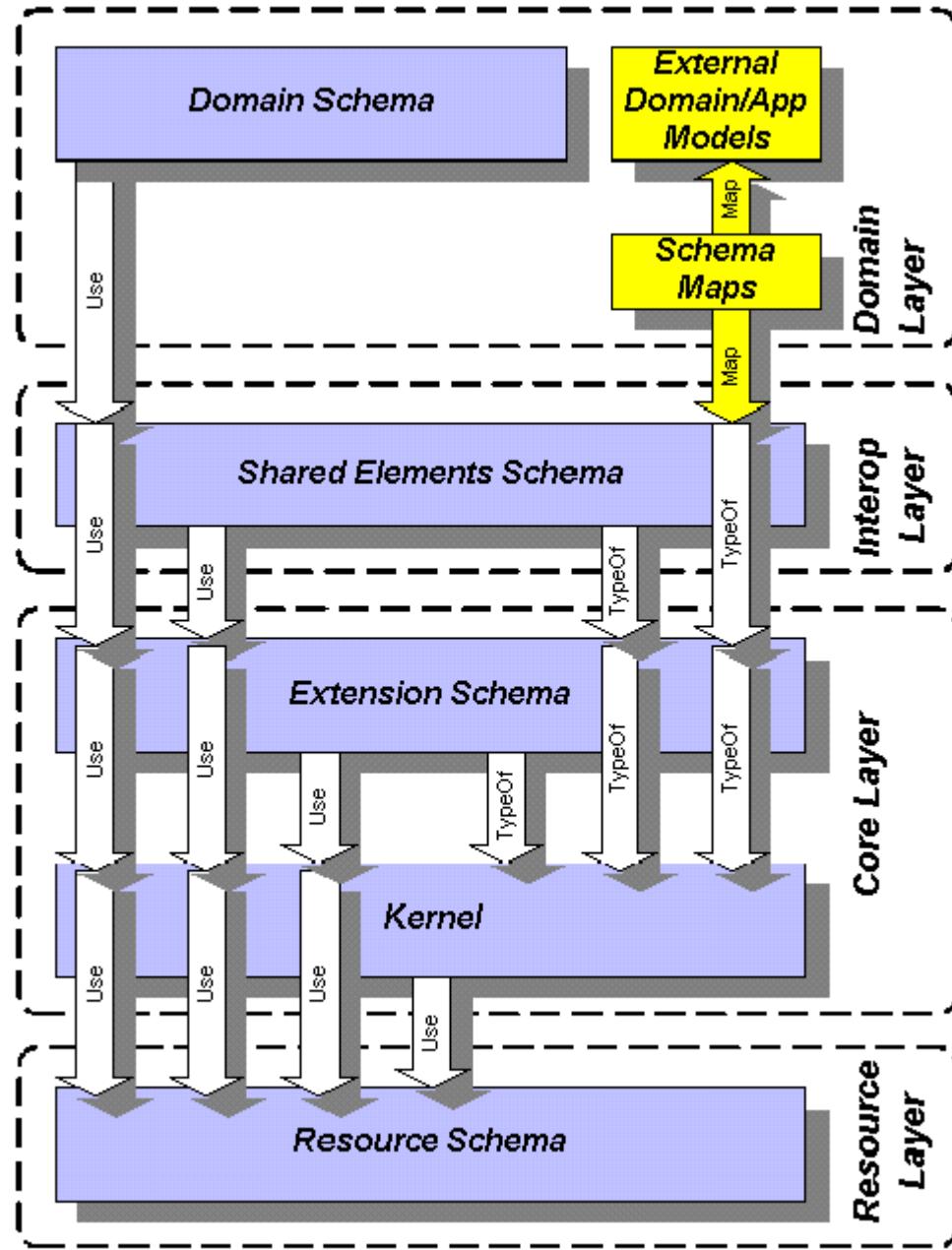
- a NIBS working group
- technical lead
 - Francois Grobler (NA): f-grobler@cecer-army.mil
- website
 - <http://www.iai-na.org/>

introduction to the IFC model

- what is in 2x2?
- available guides
 - model architecture
 - modeling style
 - model integration
 - implementation
 - model checkers

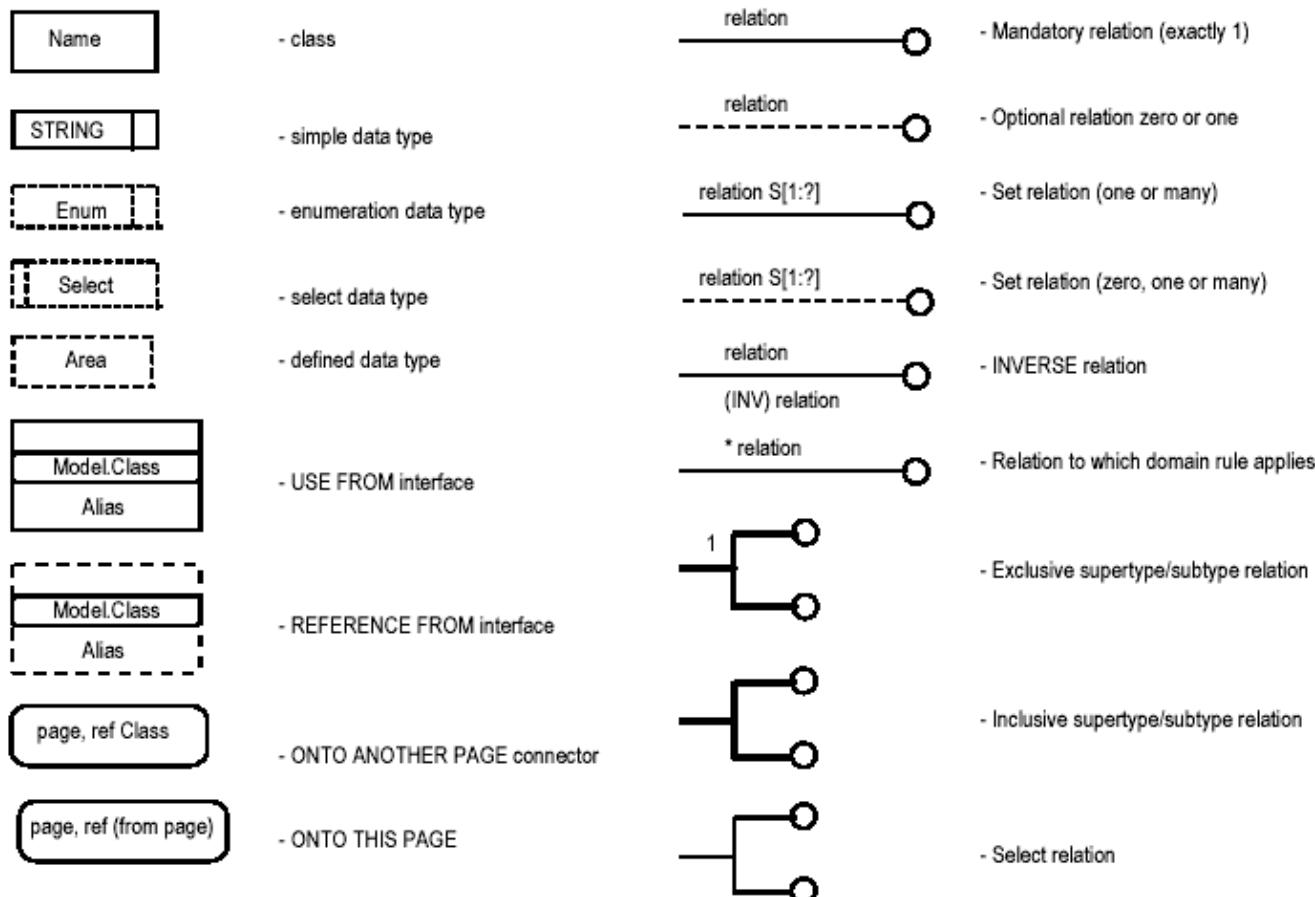
architecture

IFC 2x Technical
Guide



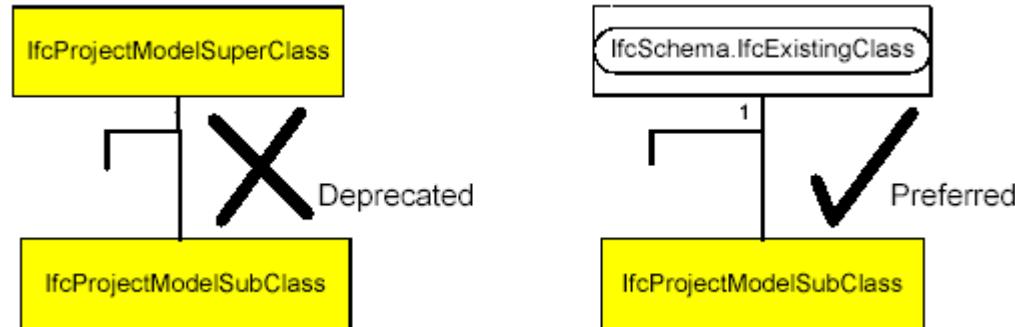
modeling

Data Modelling Using EXPRESS-G for IFC Development The EXPRESS Definition Language for IFC Development



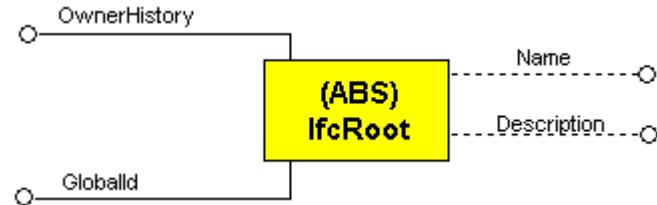
integration

Model Integration Guide Version 1.0



implementation

Ifc2x Implementation Guide



IFC 2x View definitions

IfcRoot		
<i>Identification</i>		x
IfcRoot.GlobalId		certified and roundtripped for all subtypes of Ifc
<i>Change Management</i>		certified and roundtripped for all subtypes of Ifc being marked as deleted)
IfcRoot.Owner History		
<i>Root Naming</i>		
IfcRoot.Name		certified and roundtripped for all subtypes of Ifc
IfcRoot.Description		not certified

IFC 2x Test Cases

IFC 2x Certification

model checkers

model validation tools

- IfcObjectCounter: Karl-Heinz.Haefele@iai.fzk.de
- Solibri: <http://www.solibri.com/>

IFC2x2 model review

property sets